

# ABSTRACT OF THE DISCLOSURE

In a color separation circuit of a single chip color camera, gain control means for controlling a gain for each of color filters is provided in a stage preceding correlated value detection means, and the correlated value detection means detects, on the basis of signals at all pixels in a block composed of M by N pixels around the pixel to be processed which is inputted through the gain control means, the direction in which there is a strong correlation out of a plurality of types of directions centered around the pixel to be processed.